

Appl. No. 10/815,472
Amdt. dated 1/30/2006
Reply to the Office Action of 1/29/2005

Listing of Claims:

Please cancel claims 14-20 without prejudice.

1. **(Original)** An electronic component comprising:
a substrate and at least two piezoelectric resonators each having an active element, a lower electrode and an upper electrode, wherein the lower electrode of the first resonator is made of a material that is different from that of the lower electrode of the second resonator such that the resonators exhibit different resonance frequencies.
2. **(Original)** The electronic component according to Claim 1, wherein the resonance frequencies differ by at least 10%.
3. **(Original)** The electronic component according to Claim 1, wherein each resonator includes a lower electrode, an active element and an upper electrode, the lower electrode of a first resonator being of different thickness from that of the lower electrode of a second resonator.
4. **(Original)** The electronic component according to Claim 1, wherein each resonator includes a lower electrode, an active element and an upper electrode, the upper electrode of a first resonator being made of a material that is different from that of the upper electrode of a second resonator.
5. **(Original)** The electronic component according to Claim 1, wherein each resonator includes a lower electrode, an active element and an upper electrode, the upper electrode of a first resonator being of thickness that is different from that of the upper electrode of a second resonator.
6. **(Original)** The electronic component according to Claim 1, wherein each resonator includes a lower electrode, an active element and an upper electrode, the active element of a first

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resonator being made of a material that is different from that of the active element of a second resonator.

7. **(Original)** The electronic component according to Claim 1, wherein each resonator includes a lower electrode, an active element and an upper electrode, the active element of a first resonator being of thickness that is different from that of the active element of a second resonator.

8. **(Original)** The electronic component according to Claim 1, wherein it includes at least three resonators exhibiting resonance frequencies belonging to at least three different frequency bands.

9. **(Original)** The electronic component according to Claim 1, wherein it includes four resonators exhibiting resonance frequencies belonging to four different frequency bands.

10. **(Original)** The electronic component according to Claim 1, wherein the electrodes are made of a material chosen from aluminum, copper, molybdenum, nickel, titanium, niobium, silver, gold, tantalum, lanthanum, platinum and tungsten.

11. **(Original)** The electronic component according to Claim 1, wherein the active element includes crystalline aluminum nitride, zinc oxide, zinc sulphide, ceramic including LiTaO_3 , LiNbO_3 , PbTiO_3 , PbZrTiO_3 , KNbO_3 and/or lanthanum.

12. **(Original)** The electronic component according to Claim 1, wherein the active element has a thickness of between 0.5 and 5 μm , preferably between 1 and 3 μm .

13 **(Original)** The electronic component according to Claim 1, wherein the electrodes have a thickness of less than 1 μm , preferably less than 0.3 μm .

Claims 14-20. (Cancelled)